

FGDC Climate Mapping Report

FGDC/NGAC Joint Discussion Session

National Geospatial Advisory Committee Meeting

December 7, 2021



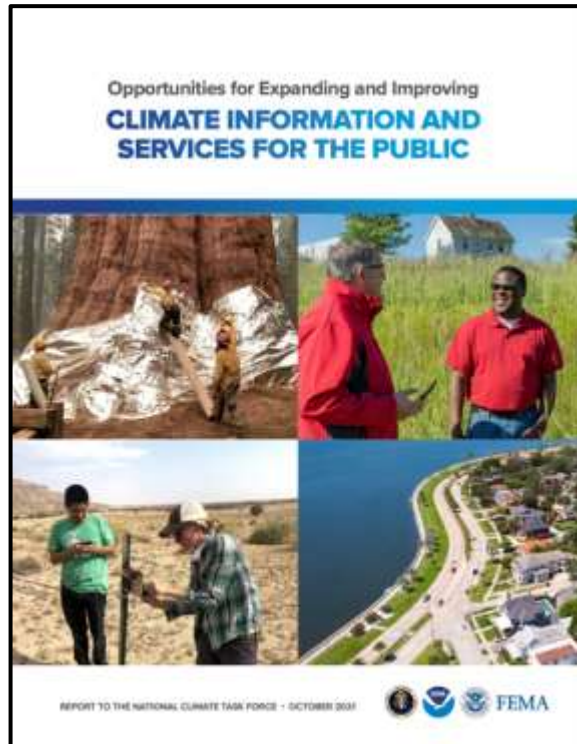
Session Objectives

- Build on the previous climate report discussions with the NGAC
- Gather feedback from NGAC on CRIS concept and FGDC evaluation, based on members' perspectives as representatives of the national geospatial community
- Identify follow-up actions that would help USGCRP/NOAA in building support for the CRIS concept and plans
- Dialogue to ensure alignment on path forward – how do the pieces fit together; what will provide value to stakeholders?

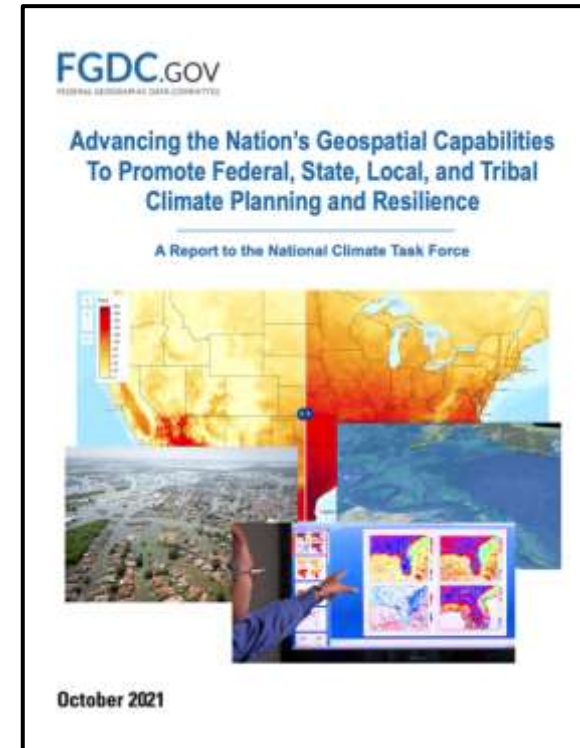
Session Agenda

- 2:15 – 2:25** **Introduction** – *Ivan DeLoatch / Tony LaVoi / Tod Dabolt*
- Overview of recent implementation activities related to FGDC climate mapping report
- 2:25 – 3:50** **Climate Resilience Information System (CRIS)** – *David Herring*
- Presentation/discussion on CRIS concept
- 3:50 – 4:15** **FGDC Evaluation of Climate Mapping Capabilities and FGDC Core Activities** – *Ivan DeLoatch*
- Presentation/discussion on proposed approach for FGDC evaluation

E.O. 14008 Climate Data Reports



**OSTP/NOAA/FEMA
Report on Climate
Information and Services
("Part 1 Report")**



**FGDC Report on
Advancing Geospatial
Capabilities
("Part 2 Report")**

NGAC Engagement in Climate Mapping Initiative

The NGAC held extended sessions at 3 meetings in 2021 to provide inputs on the E.O. 14008 Climate Mapping Report:

April Meeting:

- Appropriate roles of FGDC, the GeoPlatform, and other services in facilitating / providing shared services to meet multiple community needs.

June Meeting:

- Feedback on draft climate report approach and recommendations; discussion of The Opportunity Project (TOP) Innovation Lab Climate Concept.

October Meeting:

- Discussion of final report and recommendations. Adoption of NGAC resolution on FGDC climate mapping report.

NGAC Resolution

“The NGAC supports the findings and recommendations of the FGDC report, *“Advancing the Nation’s Geospatial Capabilities to Promote Federal, State, Local, and Tribal Climate Planning and Resilience,”* and recommends an immediate roll out of pilots, prototyping, and exploratory activities that complement and supplement the 120-day review described in the report. The NGAC believes that this parallel approach to addressing Federal climate mapping services will help align and accelerate the deployment of data and services to meet the needs of the Nation.”

Approved by the NGAC, October 13, 2021

FGDC Climate Mapping Report

Key Recommendations:

- Consideration of an OMB memorandum or other guidance to administratively add additional agencies as FGDC members to help implement FGDC initiatives to improve operation and delivery of mapping services across the Federal Government.
- Commission 120-day study to evaluate the FGDC's core activities, potential enhancements to improve current GeoPlatform services and operations, and identify innovative public-private partnerships to provide additional collaborative mapping services.

Implementation considerations:

- In parallel with 120-day review, FGDC to explore pilots and/or prototypes to address climate mapping requirements

Current Activities

- Coordination with Climate “Part 1” report
- Dialogue/coordination on Climate Resilience Information System (CRIS) approach
- Development/refinement of plan for FGDC 120-day evaluation

Climate Resilience Information System (CRIS)

David Herring, NOAA Climate Program Office

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FGDC Evaluation

Ivan DeLoatch

National Geospatial Advisory Committee Meeting

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Evaluation Goal & Approach

Evaluation Goal:

- Evaluate climate-related National Geospatial Data Assets (NGDAs), the GeoPlatform, and the FGDC's core activities and explore potential enhancements that would improve current services and operations with a focus on climate data and services.

Evaluation Approach:

- Conduct the evaluation in parallel with climate-focused geospatial pilots and prototypes
- Conduct in coordination with Executive Order 14008 211(d) Part 1 report
- Currently planned to be conducted by interagency FGDC climate core team
- Primary focus on enabling climate related services delivery, while also assessing related FGDC core activities
- Define supporting processes and responsibilities for gathering and delivering climate data
- Incorporate stakeholder input

120-Day Evaluation Focus

Focus on current and proposed Federal Agency NGDAs and utilization of the GeoPlatform to support climate activities – including proposed Climate Resilience Information System (CRIS).

- Assess role and readiness of current and proposed climate-related NGDAs to support climate resilience activities through CRIS
- Assess addition of critical agency datasets to the Climate and Weather NGDA Theme.
- Assess role of GeoPlatform in supporting climate resilience activities, including CRIS
- Assess, at a high-level, how FGDC core capabilities can support coordinated mapping services.
 - Evaluate how the core capabilities support or need to be enhanced to support geospatial services delivery for CRIS.

Evaluation Focus, cont'd

Assessment of core capabilities may address:

- Federal Geographic Data Committee – committee activities (GDA Sec. 753)
- National Geospatial Advisory Committee – committee activities (GDA Sec. 754)
- National Spatial Data Infrastructure (GDA Sec. 755)
- National Geospatial Data Asset Data Themes (GDA Sec. 756)
- Geospatial Data Standards (GDA Sec. 757)
- GeoPlatform (GDA Sec. 758)
- Covered Agency Responsibilities (GDA Sec. 759)
- International activities
- FGDC Secretariat activities

Upcoming Actions

- Develop draft evaluation project approach – Nov 2021
- Meet with Climate Task Force and OMB to review proposed approach – Dec 2021
- NGAC session on climate report implementation approach (joint session with FGDC climate team) – Dec 7, 2021
- FGDC Steering Committee session on climate report implementation approach – Dec 9, 2021
- Proposed evaluation start date – January 2022

NOAA's The Opportunity Project (TOP) Update

- NOAA/Census The Opportunity Project (TOP) 2021 Summit
 - Website to Register (agenda, sessions, etc.): <https://emamo.com/event/TOPSummit2021>
 - December 13-15, 2020, 12:00-5:00pm (each day)
 - Virtual conference, with some content livestreamed, Open Press
 - 1000+ attendees for live streamed component (main stage); interactive workshop sessions with 50-100 participants each
 - **Day 3 - Wednesday December 15th**
 - Let's Get "Climate Smart": How Tech Can Boost Community Resilience to Climate Change (12:30-1:15pm ET) - lightning talks from NOAA teams (Esri, MySidewalk, Forerunner, and Deloitte) will be pre-recorded and played back
 - Open Data for Good Grand Challenge Awards Ceremony: Part 2 of 2 (4:30-5pm ET) - announcement of Climate, Resilience and Natural Environment category, the Climate Smart Community Challenge category (sponsored by NOAA), and in-kind prizes

Discussion/Questions